



SAP S/4HANA PM

End-to-End Plant Maintenance Process & T-Code Guide

BY: KAMRAN ALI

SAP PM | End-to-End Plant Maintenance Process



What SAP PM Really Is

SAP PM is not “maintenance tickets”.
It is a system to:

- Manage technical assets
- Plan preventive maintenance
- Handle breakdowns
- Control maintenance costs
- Integrate with MM, FI, CO

Core Objective of SAP PM

Keep assets available at lowest possible cost
with minimum downtime.



Process Flow Page



1. TECHNICAL OBJECTS (MASTER DATA)

Functional Location (Structure-Based)

T-Code with Purpose

IL01	Create Functional Location
IL02	Change
IL03	Display

Used when:

- Plant hierarchy matters
- Maintenance by location

2. Equipment (Asset-Based)

T-Code with Purpose

IE01	Create Equipment
IE02	Change
IE03	Display

Used when:

- Individual asset tracking
- Serial numbers / history needed

 **Blind spot students miss:**

Equipment can be installed at Functional Location.



MAINTENANCE NOTIFICATION (PROBLEM REPORTING)

Notification Types (Conceptual)

- Breakdown
- Malfunction
- Preventive observation

T-Code with Purpose

IW21	Create Notification
IW22	Change
IW23	Display

Key data:

- Priority
- Malfunction start/end
- Cause codes



MAINTENANCE ORDER (EXECUTION CORE)

T-Code with Purpose

IW31	Create Maintenance Order
IW32	Change
IW33	Display

Order contains:

- Operations (labor)
- Materials
- Costs
- Settlement receiver

PLANNING & SCHEDULING

Task Lists

T-Code with Purpose

IA01	General Task List
IA02	Change
IA03	Display

Maintenance Planning

T-Code with Purpose

IP01	Create Maintenance Plan
IP02	Change
IP03	Display
IP10	Schedule Plan



EXECUTION (MM + PM INTEGRATION)

- Materials issued via MIGO
- Labor recorded via Confirmation

T-Code with Purpose

IW41	Time Confirmation
MIGO	Material Issue (261)

Blind spot:

PM doesn't work alone.

MM + PM integration is mandatory knowledge.



CONFIRMATION & COMPLETION

T-Code with Purpose

IW41	Operation Confirmation
IW44	Order Confirmation Overview
IW42	Change Confirmation

Technical Completion

IW32	Set TECO
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COSTING & SETTLEMENT

T-Code with Purpose

KO88 **Order Settlement**

KOB1 **Cost Line Items**

Explain:

- Internal order vs cost center
- Settlement profile conceptually

To understand this cost settlement logic with real-time PM scenarios, feel free to message me or connect with me directly.

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REPORTING & ANALYSIS

T-Code with Purpose

IW28	Notification List
IW38	Order List
IW39	Order History
MCJC	Maintenance Cost Report



Do you know?

- Difference between Equipment & Functional Location
- Preventive vs Breakdown Maintenance
- Notification vs Order
- TECO vs CLSD
- PM–MM integration

(To understand this cost settlement logic with real-time PM scenarios, feel free to message me or connect with me directly.)

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Thank you!

For going through this guide.

It was created to help you understand SAP as a process, not just as transactions.

If you want deeper clarity on any topic, feel free to message or connect with me.

Do You Need More Help?

👉 *What SAP guide would you like next?*

MM Advanced, PM Deep Dive, QM, PS, WM/EWM, or something else

Comment below and let me know.

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